GOVERNMENT OF INDIA
EARTH SCIENCES
LOK SABHA

UNSTARRED QUESTION NO:497
ANSWERED ON:02.12.2015
Earthquake Warning
Galla Shri Jayadev

Will the Minister of EARTH SCIENCES be pleased to state:

(a) whether Indian Institute of Technology, Roorkee, is working on a pilot project "Earthquake Early Warning System which gives early warning about earthquake; and

(b) if so, the details of the project?

Answer

The MINISTER OF STATE FOR MINISTRY OF SCIENCE AND TECHNOLOGY AND MINISTRY OF EARTH SCIENCES
(SHRI Y. S. CHOWDARY)

(a-b) Yes Madam. Under the project, installed network of 100 sensors in a small area of 70x60km in central Himalayan region is expected to detect the initial ground motion from an earthquake rupture and estimate the resulting ground shaking expected later in time either at same location or at some other locations. The emerging warning time expected may range from few seconds to a little more than 60 seconds and will primarily be a function of the distance from the epicenter in Himalayan region.